

FIG. 1 (PRIOR ART)

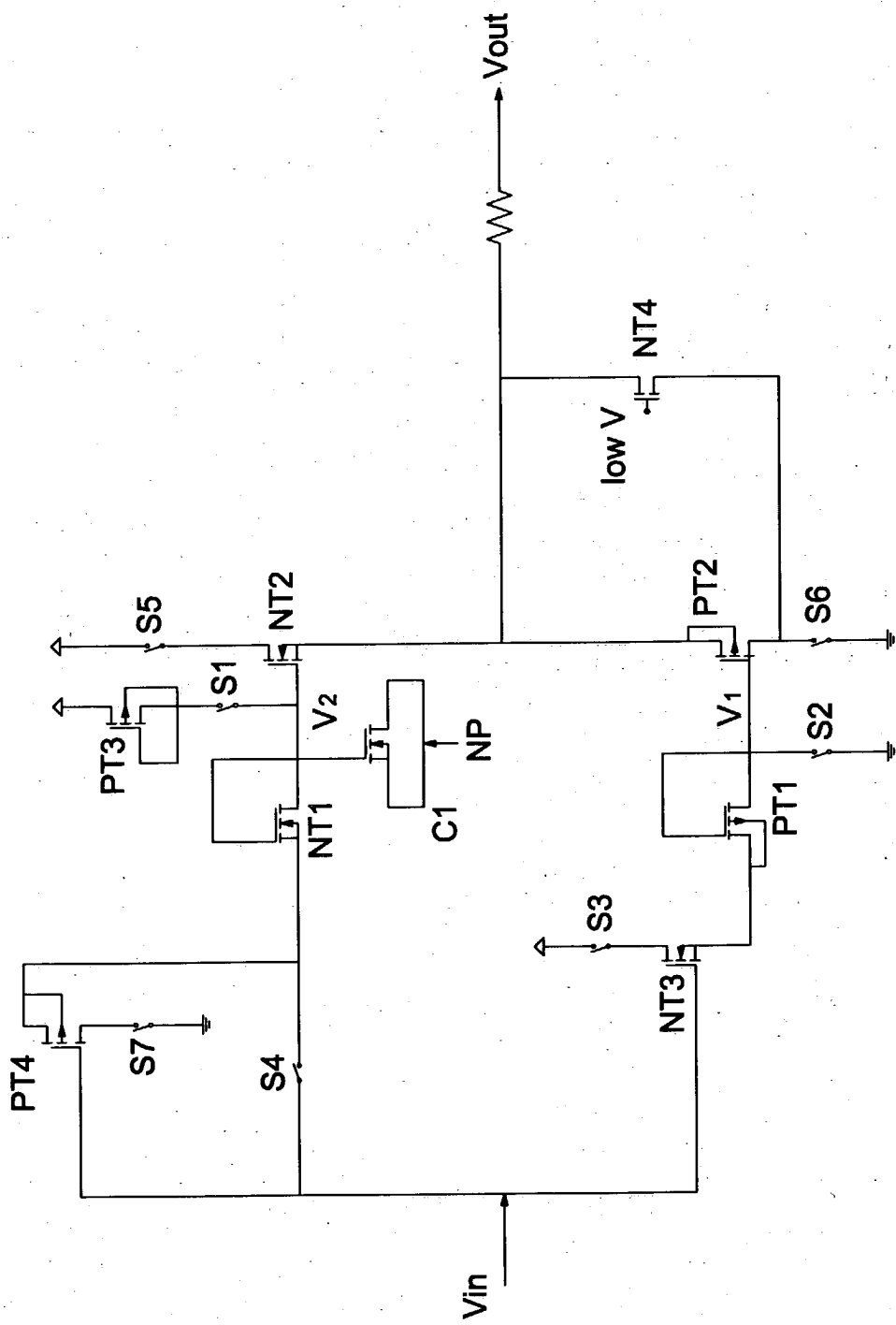


FIG. 2

one data output period one data output period

FIG. 3A



FIG. 3B



FIG. 3C



FIG. 3D



FIG. 3E



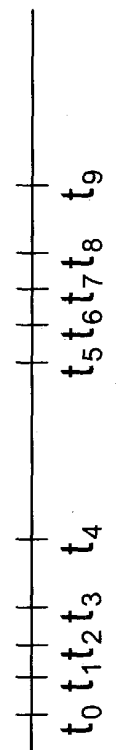
FIG. 3F



FIG. 3G



FIG. 3H



S1	S2	NP	S3(S7)	S4	S5	S6	S8
ON	ON	Low	OFF	OFF	OFF	OFF	OFF
OFF	OFF	High	ON	OFF	OFF	OFF	OFF
OFF	OFF	High	OFF	ON	OFF	ON	OFF
OFF	OFF	High	OFF	ON	ON	OFF	OFF
OFF	OFF	High	OFF	ON	OFF	OFF	ON

FIG. 5

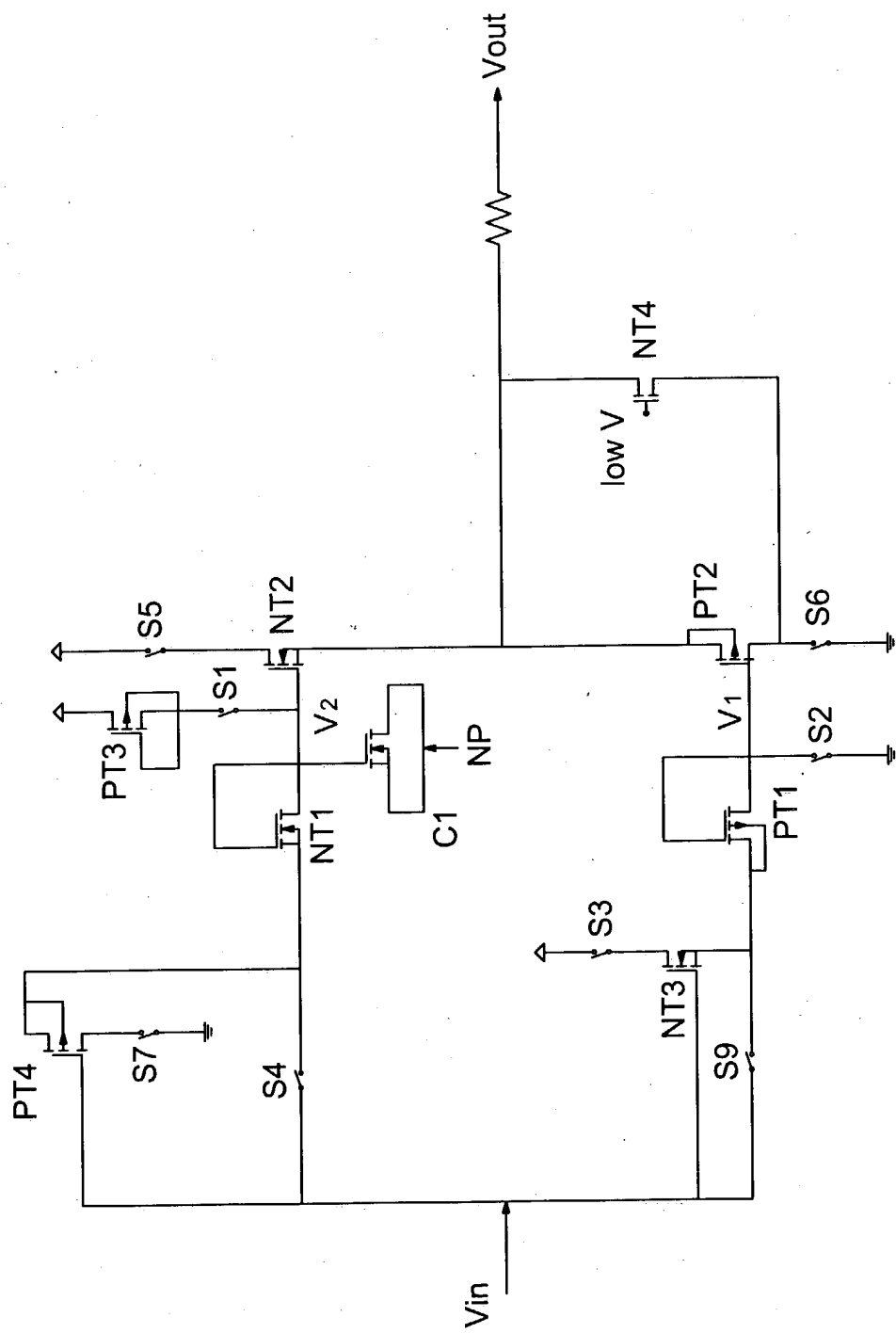


FIG. 6

one data output period one data output period

FIG. 7A V_{out} V_{in}

FIG. 7B

FIG. 7C

FIG. 7D

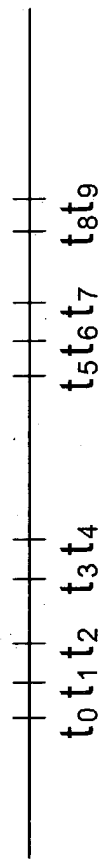
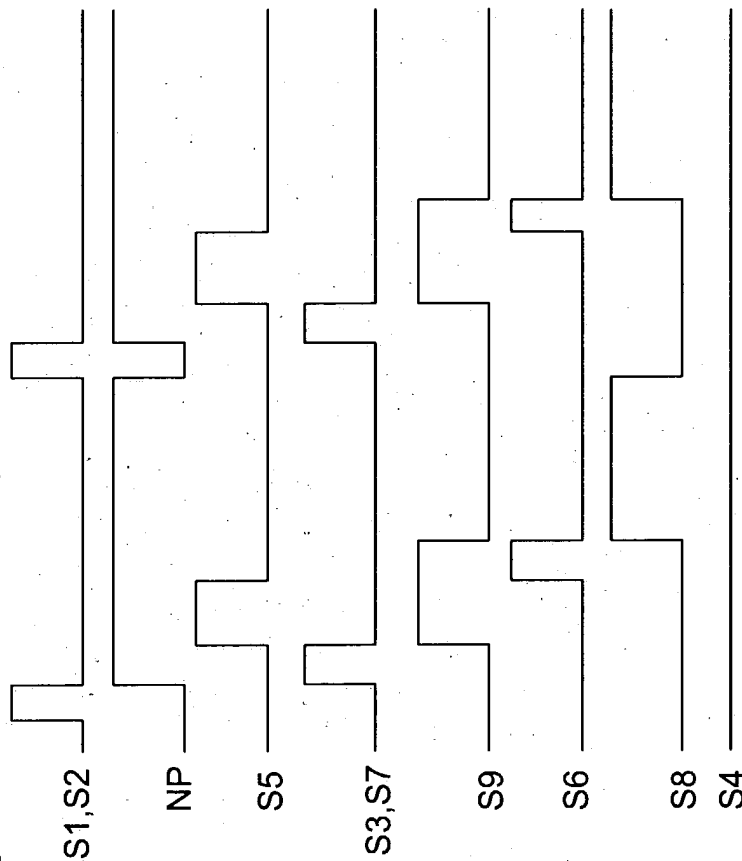
FIG. 7E

FIG. 7F

FIG. 7G

FIG. 7H

FIG. 7I



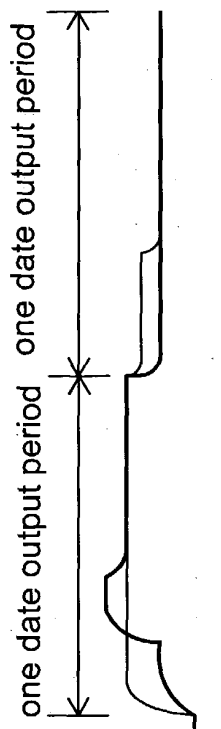


FIG. 8A

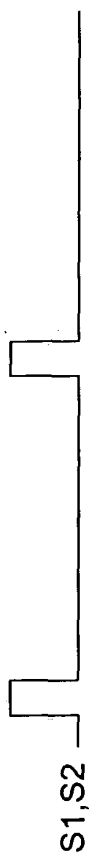


FIG. 8B



FIG. 8C

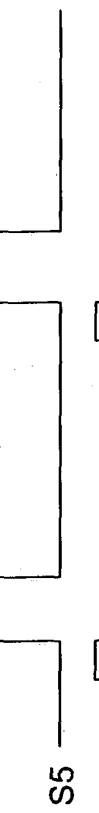


FIG. 8D



FIG. 8E



FIG. 8F

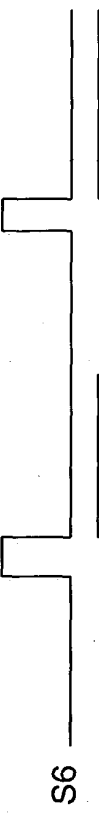


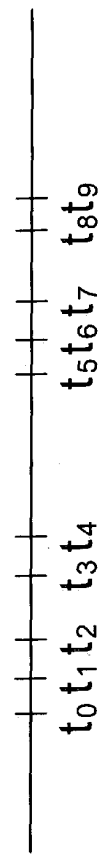
FIG. 8G



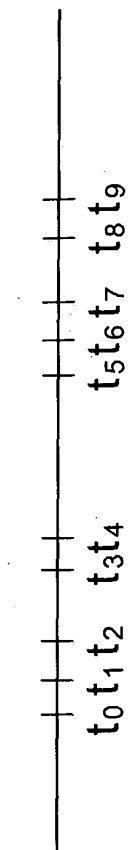
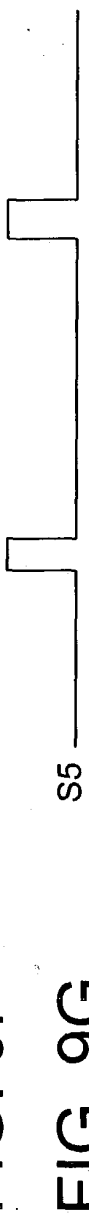
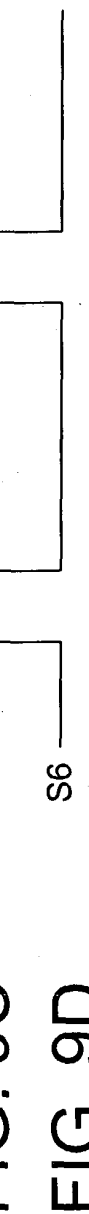
FIG. 8H



FIG. 8I



one data output period one data output period



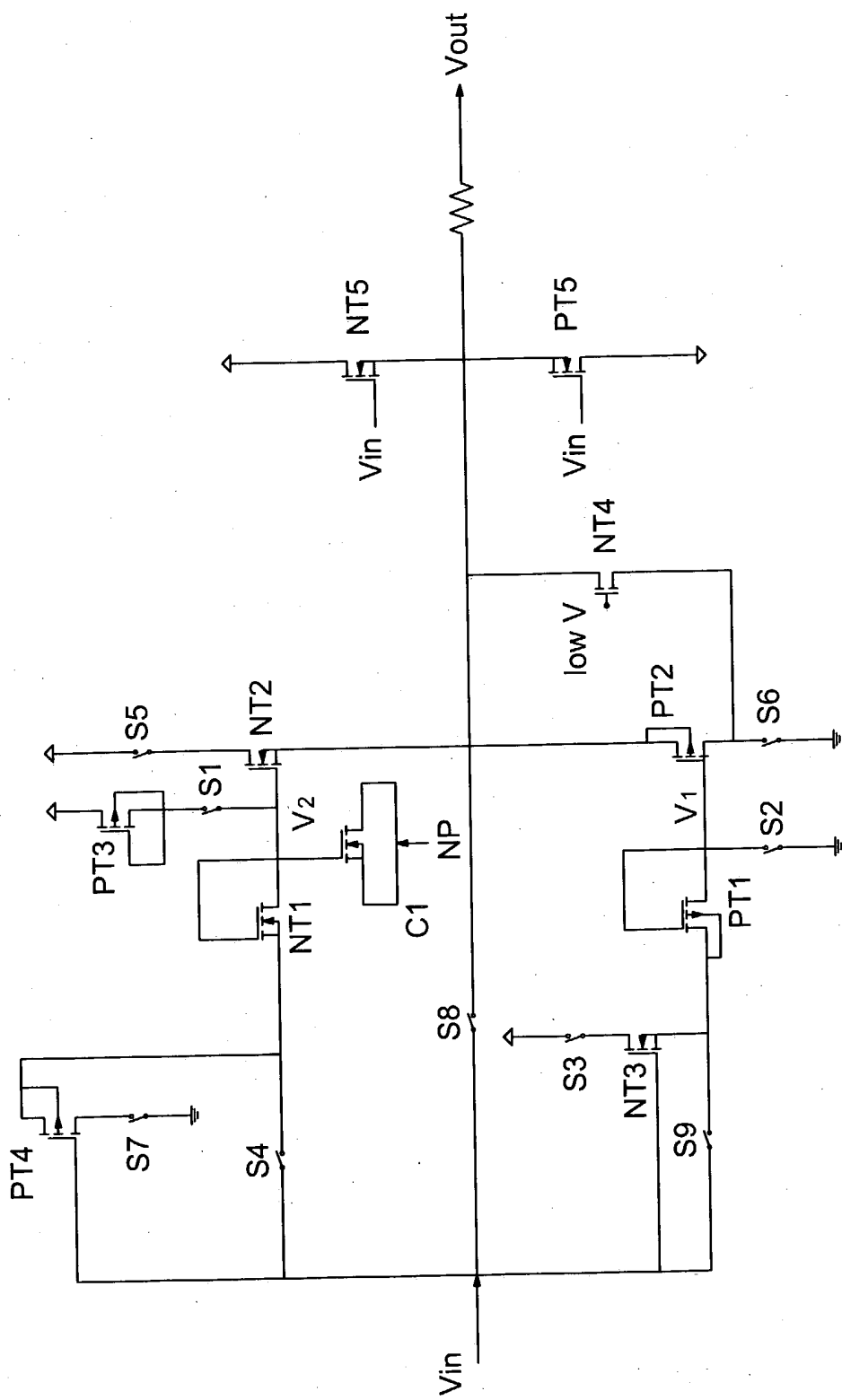


FIG. 10

S1	S2	NP	S3(S7)	S4	S9	S5	S6	S8
ON	ON	Low	OFF	OFF	OFF	OFF	OFF	OFF
OFF	OFF	High	ON	OFF	OFF	OFF	OFF	OFF
OFF	OFF	High	OFF	OFF	ON	ON	OFF	OFF
OFF	OFF	High	OFF	OFF	ON	OFF	ON	OFF
OFF	OFF	High	OFF	OFF	OFF	OFF	OFF	ON

FIG. 11